

# Bee Campus USA - University of North Carolina at Chapel Hill

Report on 2021

## Pollinator Habitat Creation & Enhancement

The Outdoor Education Center wetland project was developed to meet water quality goals. The native plants were selected for their benefits to water quality and their pollinator benefits. The project converted a former golf course pond into a stormwater wetland.

"<https://sustainable.unc.edu/news/2017/09/01/unc-chapel-hill-named-epa-grant-recipient-stormwater-management-project/>" The Carolina Community Garden is an engagement project led by the NC Botanical Garden. It provides fruits and vegetables for campus housekeepers and hosts many pollinator friendly plants. <https://ncbg.unc.edu/outreach/cccg> Edible campus installations hosting pollinator friendly plants were enhanced in 12 locations on campus.



Pollinator Habitats in Edible Campus beds



Edible Campus work days



Stormwater management at park and ride lot

## Education & Outreach

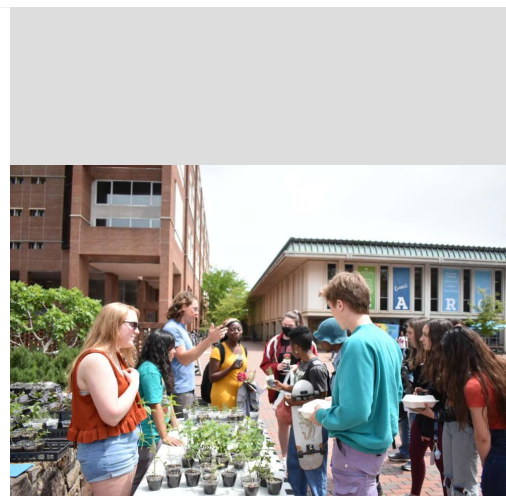
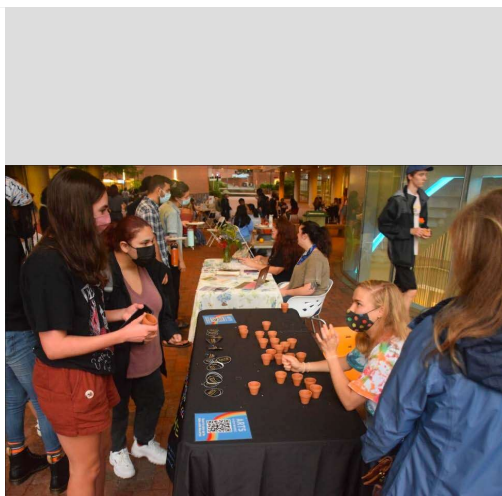
The Carolina Beekeeping Club ran a student competition to design a Pollinator Palace. The winning design was installed in October, 2021, at Battle Grove. This grant-funded, regenerative stormwater project daylighted a previously piped underground stream in a central part of campus. The dedication event was combined with a BioBlitz. Students, staff, and faculty were encouraged to download the iNaturalist app on their phones and then identify pollinators, crustaceans, amphibians, and plants. BioBlitz at Battle Grove was repeated on Earth Day 2022 and recruited even more citizen scientists. A description of the Battle Grove stormwater conveyance project is at Battle Grove UNC Regenerative Stormwater Conveyance The North Carolina Botanical Garden, a garden dedicated to conservation and operated by the University of North Carolina at Chapel Hill, continued to host in-person and virtual events during 2021/2022. Many of these events focused on native plants and Creating a Pollinator Paradise with Native Wildflowers. Edible Campus, a



program hosted by the North Carolina Botanical Garden, continued to coordinate twice-a-week work days, a week-long series of Earth Day events, and a Harvest Moon Celebration in the fall featuring speakers and student performers.



Installation of student-designed pollinator palace at fall Bioblitz



## Courses & Continuing Education

For credit courses included Agriculture and the Environment; Social Change; and Food and Culture. In addition, the North Carolina Botanical Garden offers workshops, lectures, adult education courses and Certificate Programs. Certificate programs include Botanical Art & Illustration, Conservation Gardening 101, Native Plants, and Therapeutic Horticulture. Adult Programs A six week beekeeping course was offered by two university employees who are master beekeepers and the Carolina Beekeeping Club. After a dip in membership during COVID, the club rebounded to 200 members in spring 2022. In May, the club started two new hives on the green roof at the FedEx Global Education Center.







Carolina Beekeeping Club installs beehives on green roof



Victoria Hill, sustainability manager at Carolina Dining, inspects bee hive

## Service-Learning

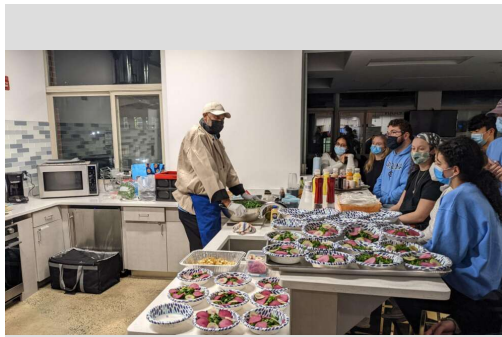
In July 2020, students published Carolina Cookbook: A College Student's Guide to Healthy, Affordable, and Seasonal Eating at Carolina. The book was created by students in Carolina Cupboard, an on campus food pantry, Edible Campus UNC, and Apples Service Learning. The cookbook is dedicated "To all those who support and inspire sustainable and just food system work in the Carolina community and greater Triangle. <https://ncbg.unc.edu/outreach/edible-campus-unc/> Edible campus provided a cooking demo as part of Earth Day 2022 as well as one other in during the Spring semester. A 2022 Maymester course – Food, Environment, and Sustainability, taught by Caela O'Connell, assistant professor in



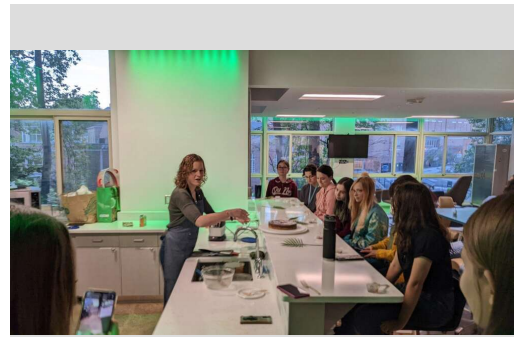
Anthropology and Energy, Environment, and Ecology – worked closely with Edible Campus. The service learning component of the class included two shifts a week in one of the Edible Campus gardens. This service is especially important during times of the year when the gardens are active, but students have left for the summer.



Students participate in Edible Campus cooking demo



Edible Campus cooking demo



## Educational Signage

Edible Campus features Educational signage in and around all of our gardens as well as on our main garden kiosk.



Edible Campus signage



Edible Campus signage



Edible Campus signage

## Policies & Practices

Grounds Services follows a four step Integrated Pest Management Plan on 30% of the campus. The University Forest Manager and a two-person IPM staff work with Grounds crews that are assigned to 16 campus zones. There are more than 50 crew members licensed in pesticide application by the NC Pesticide Board and trained to implement the IPM plan. Almost 7% of the grounds are managed organically. These include the areas designated for pollinator friendly plants and stormwater management.





**Integrated Pest Management Plan:**

<https://reports.aashe.org/institutions/university-of-north-carolina-chapel-hill-nc/report/2020-12-23/OP/grounds/OP-9/>

**Recommended Native Plant List:**

<https://ncwildflower.org/recommended-native-species/>

**Recommended Native Plant Supplier List:**

<https://ncbg.unc.edu/2019/08/09/recommended-sources-for-native-plants/>





## Lenoir Garden

Our gardens are maintained using organic practices by Edible Campus UNC. They feature food, herbs, and pollinator friendly perennials and annuals. They were created to act as living classrooms and to highlight issues related to food systems and environmentally sustainable agriculture. Everything you see is brought to you largely by students for the education and enjoyment of the entire UNC community. We encourage you to forage responsibly and at your own liability. More information about the program or donation opportunities can be found at our website:

<https://ncbg.unc.edu/outreach/edible-campus-unc/>



NORTH CAROLINA  
BOTANICAL  
GARDEN



Learn More

<https://ncbg.unc.edu/outreach/edible-campus-unc/>

